

# ucati

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AM129 \_\_\_ Acid Rain in Wisconsin

AM182 \_\_\_ EPA Ozone Action Days

## Air Quality

AM187	Vital Signs: How and Why We Monitor the Environment
@ AM202	
⊕ AM303	Warming Trends: What global
	climate change could mean for Wisconsin
AM318	
	. Ozone ana roar meaten
AM331	Ozone and Your Health (Spanish version)
AM320	Air Quality in Wisconsin
⊕ CE053	The Green(er) Machine
CE268	Asthma in the Air (Video)
	(Grades 2-6)
⊕ CE271	Auto Log
IE188	Where's the Air? (Poster)
CE238	Where's the Air? (Poster-Spanish
	language)
CE7001	Easy Breathers Video (Grades 9-12)
CE7002	Easy Breathers Program Brochure
CE7010	Save Planet Polluto
CE7029	Air Defenders: The Quest for Clean Air
	(Grades 4-7)
AM358	Air Repair: Easy Air Care Tips for
	Everyone
CE7027	XRT: eXtraordinary Road Trip CD
	(Grades 9-12)
CE7028	XRT: eXtraordinary Road Trip
	Program Flyer
CE740	XRT: eXtraordinary Road Trip poster
⊕ CE454	,
	activity book)
⊕ CE7026	Clean Air, Healthy Children
	(Spanish version)

	WM260	 Wildlife Success Stories
	WM373	 World of the Whitetail (teaching
		trunk information)
<b>(III)</b>	SS960	Catalog of State and Provincial
		Mammals
<b>(III)</b>	SS954	 Checklists of Wisconsin Vertebrates
<b>(III)</b>	SS981	 See Cella Chow! (Purple Loosestrife
		Control Manual for Educators)
	SS991	 Birds of Pheasant Branch
		Conservancy
<b>(III)</b>	SS925	Managing Habitat for Grassland
		Birds: A Guide for Wisconsin
<b>(1)</b>	SS955	Wild Turkey Ecology and
		Management in Wisconsin
	WM255	Rivers and Wetlands Wildlife Poster
	WM308	Prairie Wildlife Poster

Wildlife Consess Charica

Prairie Wildlife Poster WM398 WM391 \_\_\_\_ Living with Bears SS1008 \_ Guide to the Grasshoppers of

Wisconsin ⊕ SS1012 \_ Butterflies of Pheasant Branch Conservancy

Landowner Response to Chronic Wasting Disease and its Management in Wisconsin's Southwest Disease Eradication

Zone

Birds of Pheasant Branch ⊕ SS991 Conservancy

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Wildlife

WMaca

Forestry				
FR053		Forest Trees of Wisconsin		
⊕ FR073		Forest Are Fun (preK-2)		
FR147		Questions and Answers about		
		Wisconsin Forests		
FR181		Fireworks Cause Forest Fires and		
		More		
⊕ FR256		Proper Tree Pruning		
FR 127		Are You Thinking About Building a		
		Wooded Lot?		
FR 254		Conducting a Successful Timber		
		Sale		
FR159		School Forests in Wisconsin: A		
		Report on the 1999 Survey		
FR272		In Grandpa's Woods (poster game		
FD		K-2)		
FR293		Old Growth: Protecting and		
ED040		Producing Old Forest		
FR313		10 Ways to Protect Your Woodlands		
FR233		In the Face of Change (Managing		
FR172		forest after unplanned disturbance)		
FK1/Z		Gypsy Moth: An Urban & Forest Pest		
FR184		New Tree Planting		
FR297		Firewise Around Your Home		
FR142	—	Wisconsin Forest Wildlife		
LK147		(ecosystem) poster		
SS1007		Forestry Law Enforcement in		
331007		rolestry Law ElliorCellient III		

Wisconsin: Focus Group Findings

### **Drinking Water & Groundwater**

		9	
	⊕ DG001		Nitrate in Drinking Water
(	⊕ DG002		You and Your Well
-	⊕ DG007		Pesticides in Drinking Water
	⊕ DG015		Lead in Drinking Water
	⊕ DG062		Arsenic in Drinking Water
(	⊕ DG035		Iron in Drinking Water
(	⊕ DG009		Volatile Organic Chemicals in Drinking Water
(	⊕ DG016		Answers to Your Questions on Well Abandonment
(	⊕ DG049		Answers To Your Questions About Groundwater
(	⊕ DG039		Wellhead Protection: An ounce of prevention
(	⊕ DG023	_	Tests for Drinking Water from Private Wells
	WR104		Groundwater Poster
	DG055		Groundwater—Wisconsin's Buried Treasure
(	⊕ IE004		Groundwater Study Guide
	DG070		Better Homes and Groundwater
	DG003		Bacteriological Contamination of Drinking Water Wells

Solid W	/aste	e & Recycling
⊕ CE145		Wee Crafts
⊕ CE163		Recycling Facts & Figures
⊕ CE219		Waste Reduction: Thinking more about less (Grades 6–12)
⊕ CE254		Recycling and Beyond: Fun Stuff
⊕ CE999		Nature Recycles coloring book (Spanish)
⊕ IE042	—	Nature Recycles coloring book (English)
⊕ EI2003		Recycling Activity Guide (Grades 4-8)
⊕ IE035	_	The Fourth "R": An Action Booklet for Recycling in the Classroom and School
⊕ IE049		K-3 Supplement—Recycling Study Guide
⊕ WA072		Home Composting: Reap a Heap of Benefits
⊕ SW738		Household Hazardous Waste Reduction
⊕ WA073		Yard Care: Do Your Share
⊕ WA182		Home Composting: The Complete Composter
⊕ WA422	_	Recycling Law in Wisconsin

### **Invasive Species**

W1/99		Purple Loosestrife
FR217		Garlic Mustard
WT779	—	Help Stop the Invasion of Wisconsin's Waters (poster)
ER634		Invasive Plants of the Future

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**Publications** DNR-EI/8 101 S. Webster Street P.O. Box 7921 Madison, WI 53707

### **Endangered Resources**

ER039	 Adopt An Eagle Nest
ER054	 Adopt A Wolf Pack
ER997	 Endangered Resources Factsheets:
	Plants
ER006	 All About Loons
ER071	 Bookmark
ER084	 Living with Snakes
ER116	 Wisconsin State Natural Areas Map
ER117	 Whooping Cranes: North America's
	Endangered Legacy

### Parks And Recreation

PR002	 Wisconsin State Parks Visitors Guide
PR431	 Interpretive Programs in Wisconsin State Parks

Watershed	d Management			
WR324	Water Activities to Encourage Responsibility (Grades 4–12)			
WR104	Groundwater and Land Use in the Water Cycle (poster)			
WT483	Polluted Urban Runoff: A Source of Concern			
WT459	Brown Water, Green Weeds			
WT513	_ Wonderful, Wacky Water Critters			
WT534	Pet Waste & Water Quality			
WT731	_ Rain Gardens brochure			
WT526	_ Rethinking Yard Care			
WZ015	_ Wetland Wonderland with Poster			
WZ026	_ Wetland Functional Values			
WT779	<ul> <li>Help Stop the Invasion of Wisconsin's Waters (poster)</li> </ul>			
WT764	Protecting our Living Shores			
CE4014	<ul><li>Hitching a Ride (Aquatic Invasive Species)</li></ul>			
⊕ SS989	<ul> <li>Wetland Restoration Handbook for Wisconsin Landowners</li> </ul>			
⊕ SS1009	Wisconsin Citizen Lake Monitoring Training Manual, 2005			
Stormwater Fact Sheet Series				
WT532	Cleaning Up Stormwater Runoff			
WR460	Storm Sewers: The Rivers Beneath Our Feet			
WT533	_ Car Care for Cleaner Water			
WT531	_ Storm Drain Stenciling			

### Fish

	FH500		Wisconsin Fishing Poster
	FH743		Catch N Color (K-4)
	FH756		A Splash of Color (PreK-1)
	FH758		Tackle Loaner Program
<b>(1)</b>	SS954		Checklists of Wisconsin Vertebrate
	RS919		Wisconsin Muskellunge Waters
₩	FH824	—	Choose Wisely (fish health advisory)
	WZ015		Wetlands Wonderlands (poster/magazine insert)
	FH173		Guide to Aquatic Plants
₩	FH110		Wisconsin Fish Propagation Facilities
	FH945	_	Take Them Fishing! (program information)

# **Snakes of Wisconsin Amphibians of Wisconsin Turtles & Lizards of Wisconsin**

WI DNR Bureau of Endangered Resources

A series of three books covering all the amphibians and reptiles of the state. These full-color guides include range maps, species status, and species information. Cost: \$3 donation for Snakes, \$4 donation for Amphibians, \$4 donation for Turtles & Lizards and \$10 donation for set of three. Make checks out to: Bureau of Endangered Resources and note in the memo line "Herps Gift Account." Mail your order and a check to BER, P. O. Box 7921, Madison, WI 53707, or call (608) 266-7012.

# Wisconsin State Natural Areas Guide Book

WI DNR Bureau of Endangered Resources

Guide book of descriptions and maps for 150 state natural areas. Cost \$18, which includes shipping. Make check out to: Bureau of Endangered Resources and note in the memo line "Natural Area Guide Book." Mail your order and a check to DNR-BER, Natural Areas Guide Book, P.O. Box 7921, Madison, WI 53707

### **Environmental Education**

### **General Programs**

⊕ CE456	 Education Connection Order Blank
CE5017	 Project WILD/Project Learning
	Tree/ Project WET Brochure
CE230	 Preserving the Good Life
CE232	 EEK! Bookmark
CE5006	 Project WET Informational Brochur

### **EE News—Past Issues**

	CE241	 WI Conservation Heroes	
₩	CE269	 Land Use, Part II	
₩	CE6001	 Land Use, Part III	

Visit EEK! Environmental Education for Kids! at: dnr.wi.gov/eek/

### **Subscriptions & Donations**

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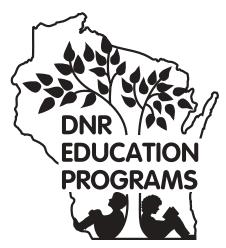
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DNR offers the following exciting programs for teacher training and classroom instruction.

Air Defenders: The Quest for Clean Air: Want to be a hero? Use this multi-media, multidisciplinary training kit to deputize children (grades 4-7) and train them for their mission – to help clean the air and protect community health. As Air Defenders, they'll learn about open burning and respiratory health through science, health, and musicbased lessons. Visit us at: http://www.airdefenders.org or contact: lindsay.haas@dnr.state.wi.us.

Angler Education: Help kids learn about their Wisconsin fishing heritage and protect the waters that sustain it. A one-day workshop provides training, materials and access to fishing gear. Materials are aligned to State Academic Standards and appropriate for use in cross-disciplinary classroom settings as well as after-school clubs and youth development programs. Look for us at teachers' conventions or contact our office to schedule a volunteer training workshop in your community. Visit us at http://dnr.wi.gov/org/water/fhp/fish/ kidsparents/anglereducation/index.shtml

Arbor Day Statewide Contests for 4th and **5th grade students** – The Forestry Division and several partners sponsor an annual Arbor Day Poster Contest for 5th Graders and an annual Forest Appreciation Writing Contest for 4th Graders. The contest's change themes annually. Curriculum packets are sent to teacher's statewide and selected artwork and essays appear in an annual Arbor-Day Earth Day Calendar. Visit us at: http://dnr.wi.gov/ org/land/forestry/uf/awareness/ arborposter.htm, or contact: richard.rideout@dnr.state.wi.us for the poster contest and genny.fannucchi@dnr.state.wi.us for the writing contest.

Easy Breathers: It's all about choices! This great high school student produced video and interactive web site investigate air pollution problems and teach new teen drivers the importance of making wise, eco-friendly driving choices. A great springboard for science, driver's education or environmental lessons. Visit us at: http://www.easybreathers.org or contact: elisabeth.olson@dnr.state.wi.us .

Education and Training: Visit this DNR Web site and find Programs for Kids, Activities and Projects, Places to Go and Learn, Publications, Outdoor Skills and Safety Education, and Adult Education and Training topics. It's also a great place to find ideas for Service Learning Projects. http://dnr.wi.gov/education/

**EEK!** - Environmental Education for Kids: Surf around this electronic magazine for kids to learn more about nature, environmental issues, and careers in natural resources. It's a great homework helper. Visit us at: http:// dnr.wi.gov/eek or contact: carrie.morgan@dnr.state.wi.us.

Forest Forever ParkPacks: These mobile resource kits teach middle-school kids about sustainable forestry while sharpening their investigative skills and encouraging critical thinking processes. ParkPack lesson plans and activities are correlated with Wisconsin Academic Standards. Each teacher pack contains enough equipment including field guides, magnifiers and clipboards for 30 students. Find out more at: http://dnr.wi.gov/org/caer/ce/eek/teacher/ parkpack.htm,

or contact: sherry.klosiewski@dnr.state.wi.us.

Great Lakes ParkPacks: These mobile resource kits are located at state parks and forests along Lake Michigan and Lake Superior. The four packs address themes of: Glacial Gifts; Mysteries; Survival; and Challenges. They include activities, books, and other materials, and the lessons are correlated to Wisconsin Academic Standards. Find out more at: http://dnr.wi.gov/org/caer/ce/eek/ teacher/parkpack.htm, or contact: sherry.klosiewski@dnr.state.wi.us.

Green & Healthy Schools: Schools that strive to be healthy, safe and environmental models in their communities can become official Green & Healthy Schools. In this program, students and staff conduct a comprehensive assessment, discover existing healthy, safe and environmental practices, and uncover areas for improvement. They then work together to improve their school's performance, enhance curriculum, and provide better community service. Visit us at: www.dnr.wi.gov/ greenandhealthyschools or contact: jacqueline.hanzal@dnr.state.wi.us.

Into the Outdoors: DNR's and Discover Wisconsin Productions' exciting TV show features kids discovering great, fun things to do outdoors as they learn about natural resources and environmental issues. It's also linked to EEK!, where kids can find out more about what they see on the show. Contact: joel.stone@dnr.state.wi.us.

Milkweed Monitoring: Check out DNR's Milkweed Monitoring pages on EEK! Student's can learn to find air pollution by studying Common Milkweed leaves. Find out more and download a free teacher training kit at: http:// dnr.wi.gov/org/caer/ce/eek/teacher/ milkweed.htm. Contact: Lindsay.Haas@dnr.state.wi.us.

LEAF (Learning Experiences & Activities in Forestry): This DNR/WCEE (UW-Stevens Point) K-12 environmental education program connects formal and non-formal Wisconsin educators with quality forestry education materials through teacher training, a K-12 Forestry Education Lesson Guide, and the distribution of existing materials. Visit us at: http://www.uwsp.edu/cnr/leaf or contact leaf@uwsp.edu

Purple Loosestrife Biocontrol Program: Students of all ages are fascinated with rearing carefully researched, safe biocontrol beetles on potted loosestrife plants at school or home, and releasing them to control local loosestrife. Teachers find it's a great way to teach about plants, insects, invasive species, populations and more! "See Cella Chow!," a free 111 page manual available on WDNR's website, includes rearing instructions and 15 educational activities based on biocontrol all ready to go for science, math, and even art educators. See and download the manual at: http:// dnr.wi.gov/org/es/science/publications/ ss981\_2003.htm. For current program info Contact: brock.woods@dnr.state.wi.us

Recreational Safety Programs: The Bureau of Law Enforcement currently has four programs that can be taught in the school systems: Boating Safety, Snowmobile Safety, ATV Safety and Hunter Safety. Many of the school systems in the state already teach these, and DNR supplies the student and instructor materials along with lesson plans. Instructors must be certified by the department, and there is a small fee required for each class. Contact: 608-266-2141 or julie.fitzgerald@dnr.state.wi.us.

Recycling Education: Teaching resources and information about waste reduction, recycling and composting are available on the Bureau of Waste Management's Web site at: http:// dnr.wi.gov/org/aw/wm/publications/. Also, visit our Green & Healthy Schools and EEK! Web sites.

School Forest Program: School forests are exceptional outdoor environmental education sites. Nearly 200 school districts have a school forest. DNR foresters provide resource management assistance and the state school forest education specialist helps schools best utilize these sites for education. Visit us at: www.uwsp.edu/cnr/leaf/sf or contact jsolin@uwsp.edu

State Park and Forest Interpretive Programs: Educators or other property staff provide onor off-site educational programs for K-12 students. Programs may include guided hikes, hands-on activities, and property tours. Some properties provide field trip guides to assist educators in planning their own educational activities on the property. Learn more at: http://dnr.wi.gov/org/land/parks/interp/ index.html

or contact: sherry.klosiewski@dnr.state.wi.us.

Take Smokey Camping: Teachers can take Smokey Bear to school and teach their students (ages 5-12) all about the importance of fire safety, not playing with matches, and what to do in the event of a fire. Children will have the

opportunity to spend the day with Smokey and his backpack, read "The True Story of Smokey Bear", and write in Smokey's diary all the things they learned during Smokey's visit. Contact your local State Park, State Forest, or DNR Ranger Station and see if the Smokey Bear back pack is available.

Teachers' Guide to Wisconsin State Parks and Forests: Teachers and students can see, touch, hear, and discover the richness of Wisconsin's natural and cultural heritage at many state parks and forests. This online guide lists over 100 field trips that are correlated to Wisconsin's Model Academic Standards. Teachers will also find the information they need to select a topic, register for a field trip, and reserve additional teaching resources. Visit

us at: http://dnr.wi.gov/org/land/parks/interp/school/index.html,

or contact: sherry.klosiewski@dnr.state.wi.us.

Water Action Volunteers (WAV): This action oriented program focuses on stream and river education oriented to outdoor experiences. The materials are self-directed. Storm drain stenciling, river clean-up programs, volunteer stream/river monitoring. Assistance & training available for stream monitoring with hands-on activities.

Contact: kris.stepenuck@dnr.state.wi.us. Visit us at: http://clean-water.uwex.edu/wav/

Where's the Air? Kit: Download your FREE copy of DNR's Where's the Air? teacher's activity guide. Students learn how air pollution

forms and how human behavior affects the quality of the air. And don't forget to order your free Where's the Air? poster (also available in Spanish) on the front of this form. http://dnr.wi.gov/org/caer/ce/eek/teacher/wtair.htm Contact: Lindsay.Haas@dnr.state.wi.us.

Wild and Forever Free: 6-12 grade teachers can use this free video and instructor's guide to help their students learn about Wisconsin's wildlife management program. DNR wildlife biologists and partners tell the unique story of Wisconsin's wild animals and wild places. Listen and watch as DNR staff tells the story of how they protect and manage Wisconsin's rich natural heirlooms: its prairies, wetlands and forests.

Contact: salwem@dnr.state.wi.us.

Wisconsin Wildlife Viewing Guide: Are you thinking about taking a field trip with your class? Look no further. This 96-page, full color guide book is a great reference to help you locate one of Wisconsin's 76 premiere wildlife viewing areas. And watching wildlife is a really COOL thing to do with your students! Included are detailed descriptions of each viewing site and its wildlife, maps and access information. You'll also find helpful wildlife viewing tips and beautiful color photos of our diverse wildlife natural areas. Please send a donation of \$10 made out to "Wildlife Education Gift Account" to Mary Kay Salwey, Box 8, Alma, WI 54610. Contact Mary Kay Salwey at marykay.salwey@dnr.state.wi.us for more information.

World of the White-tailed Deer Education Trunks: This set of teaching trunks is filled with activities that are targeted for students in the 6th-8th grade. Twenty-four different hands-on activities explore subjects such as biology, ecology, wildlife management, social studies, history, math, reading, and creative writing. You can borrow a trunk for use in your class. Visit us at: http://dnr.wi.gov/org/caer/ce/eek/teacher/deerbox.htm

XRT: eXtraordinary Road Trip: Start your computers and let the adventure begin! XRT: eXtraordinary Road Trip educational computer program enriches high school science, social studies, and driver's education classrooms about transportation and air quality. This great program will liven up any classroom! Log onto www.eXtraordinaryRoadTrip.org or contact elisabeth.olson@dnr.state.wi.us

# For more information on these and other programs go to: http://dnr.wi.gov/education/

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### Project WILD, Project Learning Tree, and Project WET

Materials and training are provided at professional development workshops addressing PI34 Teacher Standards. Participants will develop new skills, learn how to adapt activities to their curriculum, explore literature and technology connections, and share expertise with colleagues. Materials meet many state academic standards. Workshops for all programs are being scheduled continuously; check the schedule online at: http://dnr.wi.gov/education/pltwildwet/. To get more information on the following programs or to host a group workshop at your location, contact: pltwildwet@dnr.state.wi.us, or call (608) 261-8453.

**Project Learning Tree (PLT):** This national, award-winning environmental education program uses the forest as a "window" to study the natural and built environment. PLT's creative supplemental teaching activities are interdisciplinary with PreK-8th teaching activities and in-depth secondary modules and are correlated to the Wisconsin Model Academic Standards.

**PLT PreK-8 Activity Guide:** Can't see the forest for the trees? Project Learning Tree uses the forest as a "window on the world" to increase student understanding of our complex natural and built world. Over 95 learner-centered activities are compatible with instruction in science, social studies, language arts, environmental science, and mathematics. Each activity features a children's literature bibliography and is correlated to the Wisconsin Model Academic Standards.

**PLT for Seedlings:** Early childhood educators are raving about the *PLT PreK-K Activity Guide and Music/Movement CD*. With these fun, interdisciplinary activities, children become nature detectives, dance with a tree, and take a simulated walk through a forest—complete with the sounds of the animals that live there. The activity guide and CD feature guided outdoor explorations; animal voices, dances, stories, and simulations; an annotated bibliography; art; assessments; and a topic-related snack into over 35 activities. Correlated to the Wisconsin Model Early Learning Standards. Registry credits are available.

**PLT Secondary Modules:** Bring real-life issues into the classroom with these hands-on/minds-on modules covering waste generation and disposal, environmental justice, forest ecology, and the relationship between environmental health and human health. Students will objectively examine the issues, collect and analyze data, and become involved in decision making experiences relevant to their communities. These interdisciplinary modules incorporate science, social studies, math, geography, and language arts. Modules are correlated to the Wisconsin Model Academic Standards. PLT-trained educators may purchase these guides from the state office.

**Project WET K-12 Activity Guide:** Protection of Wisconsin's water resources is crucial for healthy people, healthy economies, and a healthy environment. Project WET uses over 90 hands-on, fun activities to promote water systems, quality and quantity, water management and stewardship, as well as the historical, societal, and cultural connections between water, people, and communities.

Project WILD & Aquatic WILD K-12 Activity Guides: Kids love wildlife and that's why teachers and nonformal educators will love this exciting conservation and environmental education program. Over 150 activities designed to develop awareness, knowledge, skills and commitment to result in informed decisions, responsible behavior, and constructive actions concerning aquatic and terrestrial wildlife and the environments they depend upon. Activities emphasize hands-on, inquiry-based, and cooperative learning. Project WILD also offers a secondary *Science & Civics* guide and service learning ideas that both involve students in environmental action projects on school grounds and in the community.